

SANKALP GUPTA

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EDUCATION

Thapar Institute of Engineering and Technology	Patiala, Punjab
Bachelor of Engineering in Computer Engineering CGPA: 7.84/10	2021-2025
St. Xavier's International School	Patiala, Punjab
Class 12 Board (CBSE) Percentage: 91.8%	2021
LCIT PUBLIC SCHOOL	Bilaspur, Chhattisgarh
Class 10 Board (CBSE) Percentage: 89.8%	2019

SKILLS

- **Languages:** C, C++, Python, Solidity, SQL, HTML, CSS
- **Framework and Libraries:** Tailwind CSS, Hardhat, NumPy, Pandas, TensorFlow, Flask, Matplotlib, Scikit-learn, PyTtsx3
- **Source Control / Editor:** Git, GitHub, VS Code, Remix, Jupyter Notebook, Google Colab, PostMan
- **Fields:** AI/ML, Deep Learning, NLP, Data Processing, Computer Networks, MS Excel, Operating Systems, Data Structures, Canva, Financial Markets

EXPERIENCE

DIGITAL MARKETING INTERN VENTURE LAB (THAPAR UNIV)	Oct 2022-Dec 2023
<ul style="list-style-type: none">• Conducted market research and data analysis to identify target audiences and optimize marketing strategies.• Coordinated and managed speaker engagements, ensuring seamless event execution and positive attendee experiences.	

STARTUP: ROYAL ALIMENTS	Mar 2022- April 2023
<ul style="list-style-type: none">• Co-Founded and managed Royal Aliments, a startup specializing in flavored almonds and dry fruits for corporate gifting.• Managed all aspects of the business, including marketing, sales, tech and supply chain operations.	

PROJECTS

Decentralized Crowdfunding Jan 2024: (Github)
<ul style="list-style-type: none">• Developed and Deployed Smart Contracts: Designed and implemented smart contracts to manage campaign creation, donations, and fund distribution. Utilized Hardhat for efficient development, testing, and deployment on the Goerli test net.• Optimized Smart Contract Performance: Configured and optimized Solidity compiler settings to enhance performance and reduce gas costs, ensuring secure and cost-effective operations.• Integrated Blockchain Infrastructure: Managed RPC connectivity using Ankr and securely handled accounts with environment variables to maintain the platform's efficiency and security. <p>Tech Stack: Solidity, Hardhat, Goerli Testnet, Tailwind CSS, Thirdweb, React, Node.js, HTML, Tailwind CSS</p>

Sensex-Price-Prediction-Analysis-using-ML Jul 2024: (Github)
<ul style="list-style-type: none">• Developed Predictive Financial Model: Created a model to forecast daily Sensex changes using weather data from Delhi as input parameters, leveraging machine learning techniques including Random Forest and XGBoost.• Implemented Data Processing and Scaling: Utilized advanced data preprocessing methods and scaling techniques to ensure high model accuracy and reliability in predicting financial outcomes.• Designed Full Stack Functional Prototype: Developed a functional application prototype that integrates weather and financial data to provide actionable insights for investors, demonstrating effective use of Python, Flask, React. <p>Tech Stack: Python, Pandas, NumPy, LazyPredict, Flask, Scikit-learn, React, HTML, CSS,</p>

Speech to Text and Text to speech using PYTHON Apr 2023 (Github):
<ul style="list-style-type: none">• Developed Graphical User Interface (GUI): Utilized tkinter to create an intuitive and user-friendly graphical interface for the application, enhancing user interaction and accessibility.• Integrated Speech and Windows API Functions: Implemented <code>speech_recognition</code> for converting speech to text, <code>pytsx3</code> for text-to-speech conversion <p>Tech Stack: Python, Pytsx3, Tkinter, Speech recognition modules</p>

CERTIFICATIONS AND AWARDS

DATA STRUCTURES AND ALGORITHMS {CODE HELP}

Winner WOLF OF DALAL STREET 7.0

COURSERA CERTIFICATIONS IN DATA SCIENCE AND NLP {Up to 10 Certifications}